

Technical Outreach Services for Native American Communities

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Haskell Indian Nations University, Lawrence, Kansas

- All-Tribal College
- Member of American Indian Higher Education Consortium
- Established as boarding school in 1864
- Trust Land – Bureau of Indian Affairs, Office of Education
- B.S. Degree in Environmental Science
- Environmental Justice Site – Haskell Wetlands/ South Lawrence Trafficway



Haskell Environmental Research Studies (HERS) Center Support

- Haskell Faculty and Staff
- Haskell Alumni
- Haskell Students
- Informal HERS Advisory Board
- Network Tribal Environmental Professionals
- Network Agency Professionals with Tribal Expertise
- Indigenous Knowledge-based Educational Approach



TOSNAC Program

- National technical outreach program for tribes www.tosnac.org
- Hazardous Substance Research Center, EPA Community Involvement Outreach funding <http://www.hsrb.org>
 - Office of Solid Waste and Emergency Response, Headquarters
 - Facilities Restoration and Reuse Office

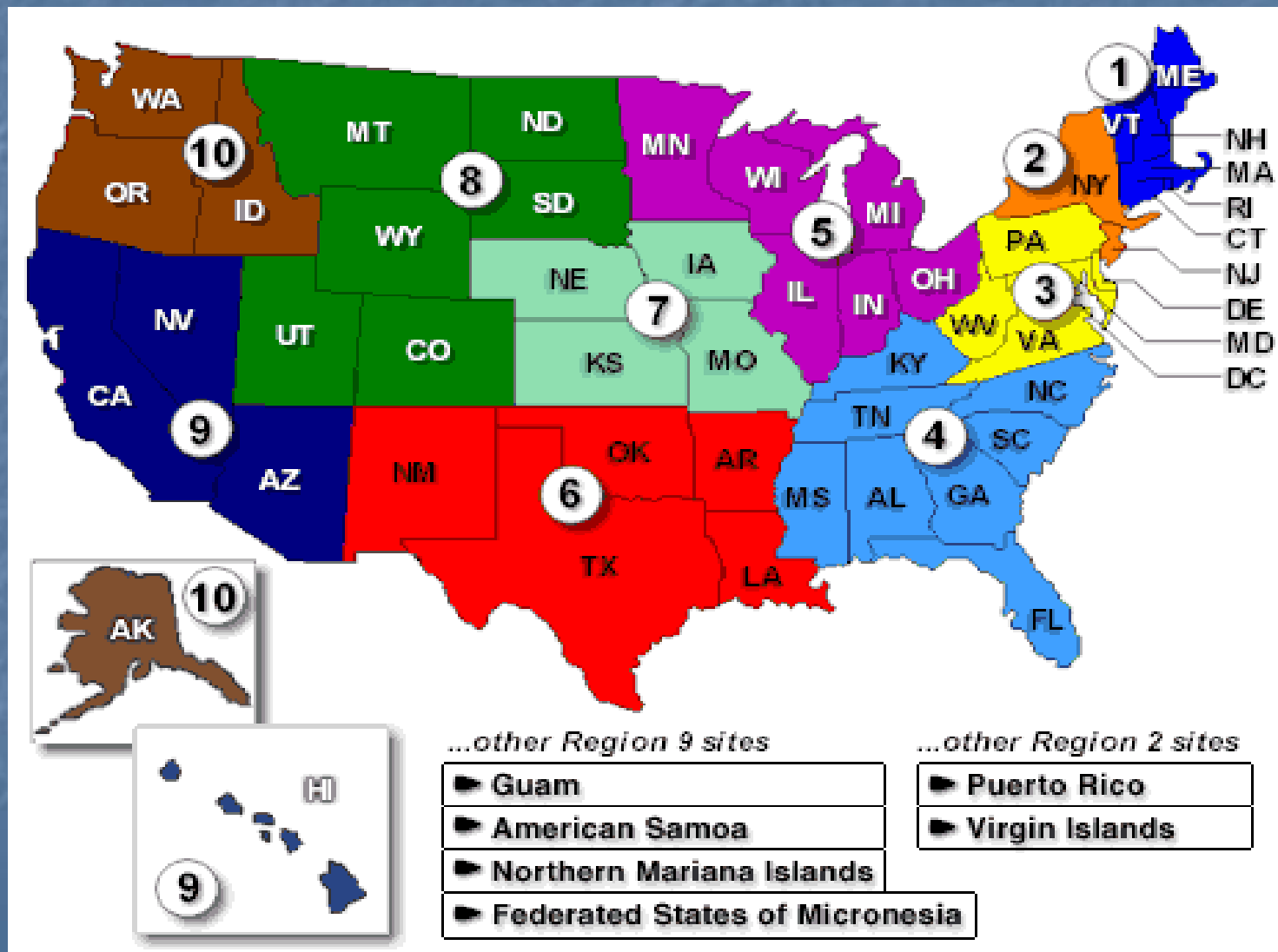
HSRC Outreach Programs Review

- Provide free, independent, non-biased technical assistance to communities dealing with hazardous substance issues
- Goal is to empower interested stakeholders to provide informed input
- Teams of university faculty and staff provide support through TOSC, TAB, and TOSNAC

Relationship of TOSNAC to Regional TOSC Programs

- Supported by Regional Technical Outreach Services to Communities (TOSC) Programs
www.toscprogram.org
 - Administrated by Kansas State University, Midwest HSRC
 - Supported by Western HSRC, Oregon State University
- Additional support for Regional EPA projects
- Collaborative Projects with Federal and State Agencies, Universities and Communities

Technical Outreach Programs- EPA Regions



University Collaboration

- Oregon State University WHSRC- environmental engineering and document review
 - Michael Fernandez
- Kansas State MHSRC- soils, surface water and groundwater- Sabine Martin
- Haskell Indian Nations University- Environmental Justice, cultural risk communication
- Utah State University- ecology, toxicology, and mineral/metal contaminant exposure
 - Dr. Jeffery Hall, Associate Professor of Toxicology

Long-term Outreach Collaborative Opportunities

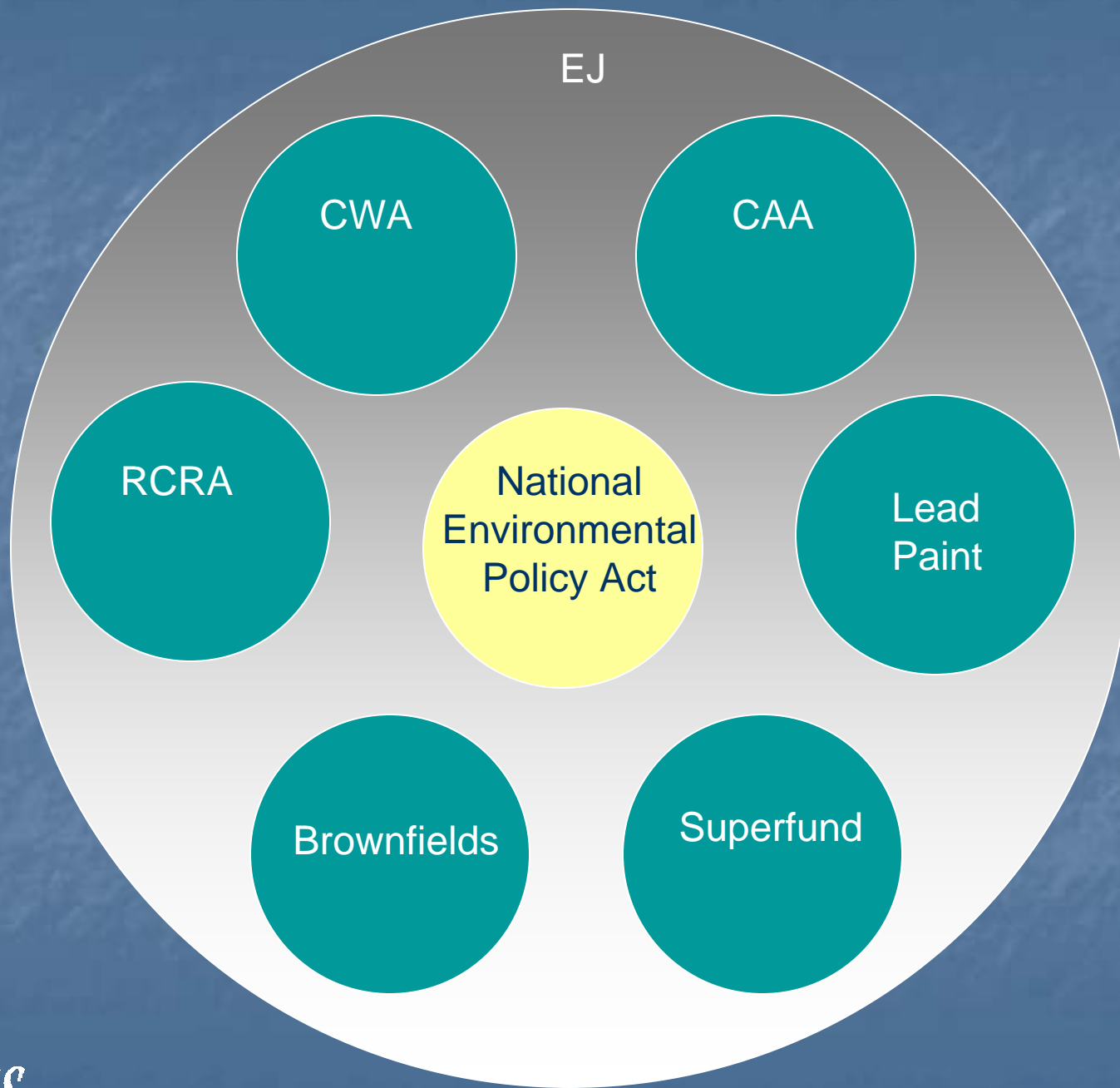
- Montana Tech Mine Waste Technology Program
- Northern Arizona University's Environmental Education Outreach Program (EEOP) Uranium and Radiation Education Outreach (UREO)
- Spokane Tribal Community College and Haskell - long-term outreach related to cultural risk and addressing EJ concerns

TOSNAC Services

- Document Reviews
 - Technical review related to Superfund activities
 - Includes incorporation of cultural considerations
- Development of Educational Material
 - Related to hazardous substance concerns
- Coordinate Tribal Community workshops
- Assistance with Environmental Justice, and Multi-media contaminant concerns
- Networking Capabilities

Indigenous Knowledge-based Educational Approach

- Harmonious with Traditional Ecological Knowledge (TEK)
- Integrate western and TEK points of view- science supports traditional knowledge
- Provides means of drawing on commonalities with different Tribal cultures
- Flexibility that helps preserve Tribal-specific knowledge- based systems

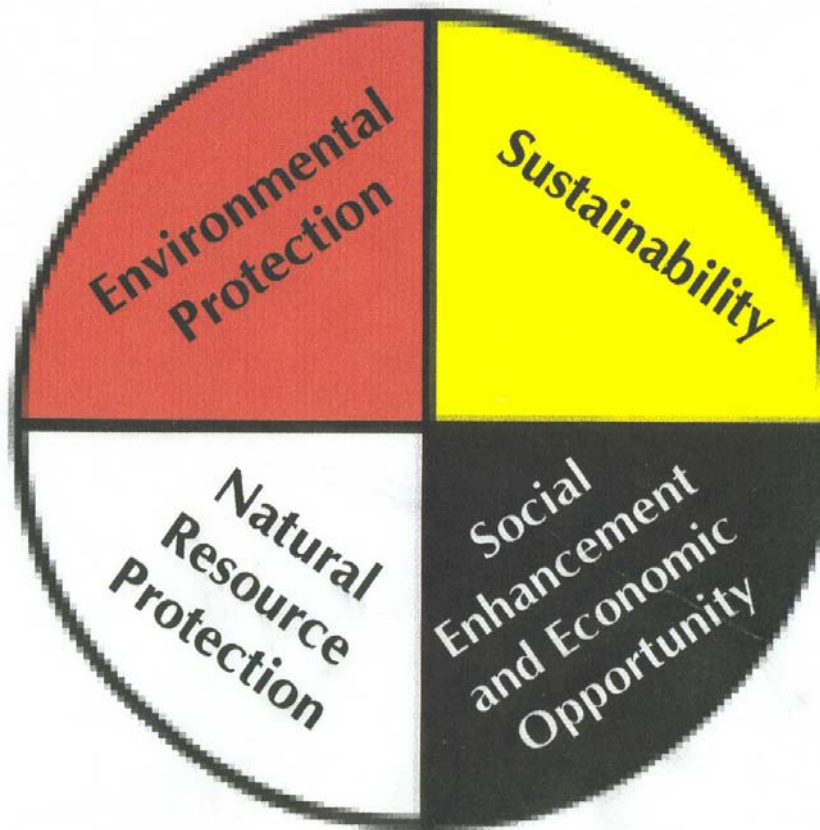


Common Threads Among Tribes- EJ and Cultural Risk Concerns

- Sustainability
- Social Enhancement and Economic Opportunity
- Natural Resource Preservation
- Environmental Protection

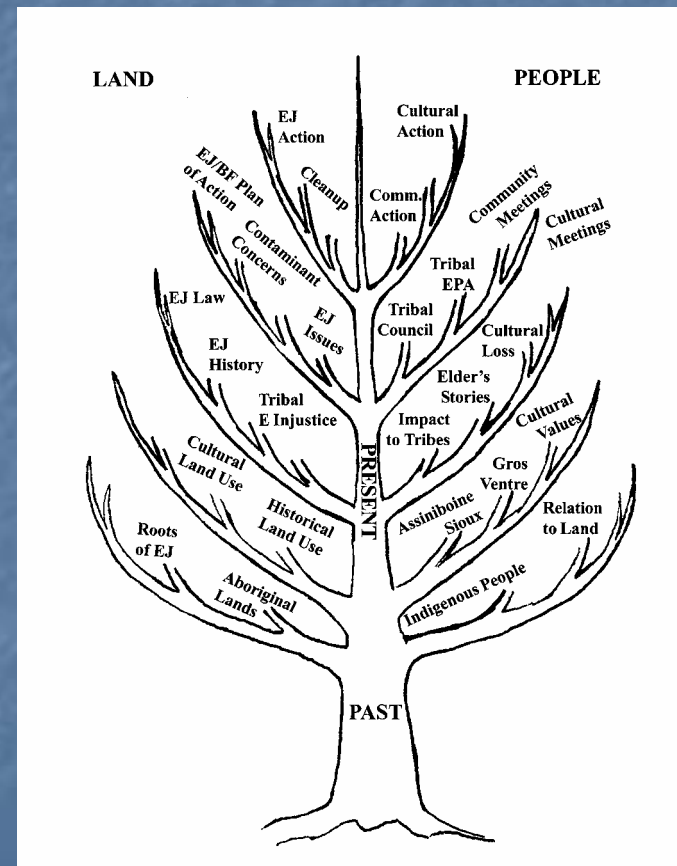
All Components are Interconnected and All Revolve Around Cultural Preservation Issues

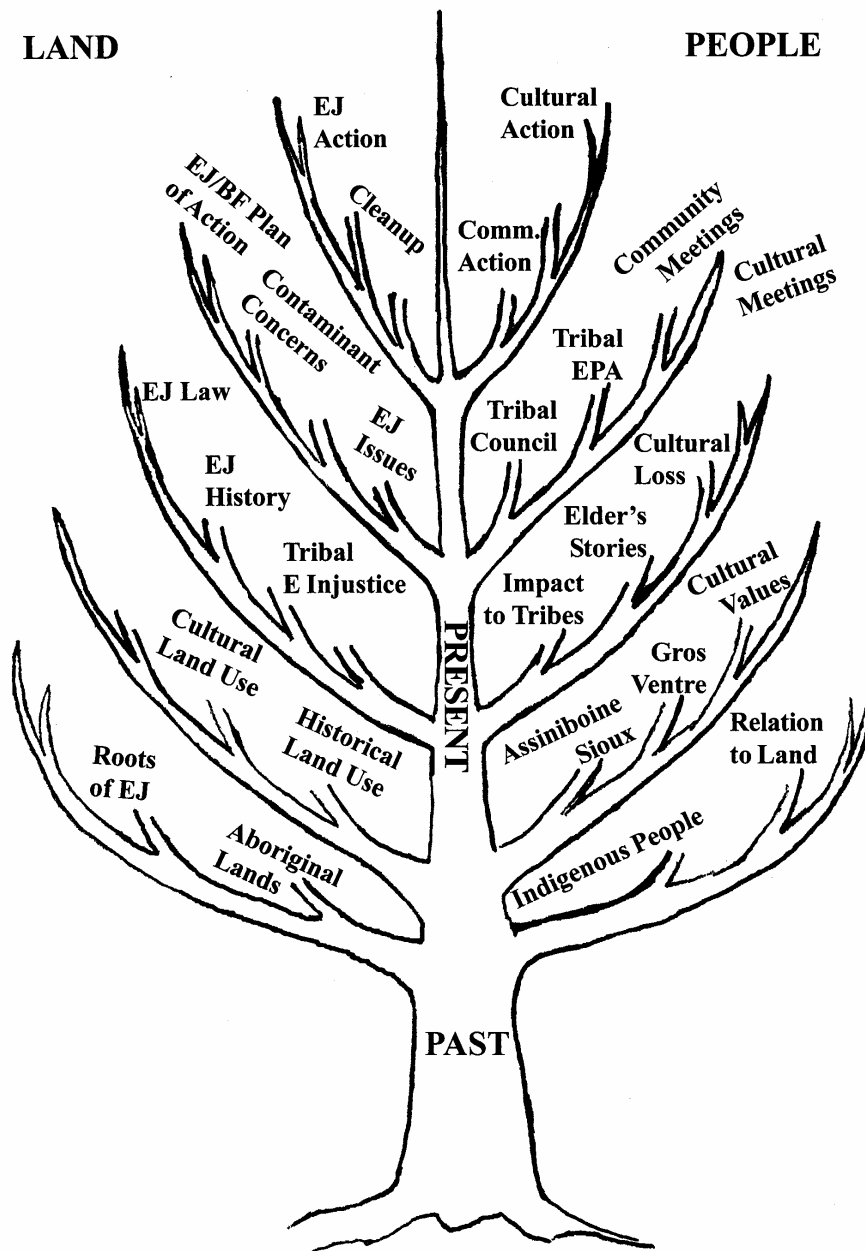
TRIBAL ENVIRONMENTAL ISSUES REVOLVE AROUND CULTURAL PRESERVATION



Tribal EJ Timeline Model

- Community visioning tool
- Use- develop cultural risk management strategies and plans
- Can be delivered in Train-the-Trainer form
- Shows organization of communication processes used in developing strategies and plans
- Helps identify strengths, areas of need, and opportunities for collaboration





www.tosnac.org

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